Discrete Mathematics Volume 248, Numbers 1–3, 6 April 2002

Contents

Contributions

R.A. Bailey Suprema and infima of association schemes	1
R. Casse and C.T. Quinn Ruled cubic surfaces in $PG(4,q)$, Baer subplanes of $PG(2,q^2)$ and Hermitian curves	17
J. Dittmann and B. Oporowski Unavoidable minors of graphs of large type	27
T.W. Haynes and M.A. Henning A characterization of i-excellent trees	69
A. Kisielewicz and J. Tomasik Essential arities in algebras of finite type and arity trees	79
J.H. Kwak and S.H. Shim Total embedding distributions for bouquets of circles	93
D. Labbate Characterizing minimally 1-factorable r-regular bipartite graphs	109
O. Pikhurko and A. Thomason Disjoint subgraphs of large maximum degree	125
F. Ranzato Pseudocomplements of closure operators on Posets	143
M. Razpet The Lucas property of a number array	157
A.M. Robertshaw and D.R. Woodall Binding number conditions for matching extension	169
P. Stănică Nonlinearity, local and global avalanche characteristics of balanced Boolean functions	181
E.G. Thurber Concerning the maximum number of stable matchings in the stable marriage problem	195

Z. Tuza, V. Voloshin and H. Zhou Uniquely colorable mixed hypergraphs	221
Notes	
J. Anderson Partitions which are simultaneously t_1 - and t_2 -core	237
P. Barrucand, S. Cooper and M. Hirschhorn Relations between squares and triangles	245
B. Bollobás, P. Erdős, R.J. Faudree, C.C. Rousseau and R.H. Schelp Random induced graphs	249
Z. Eslami On the indecomposable partition problem: IPP(10, Λ)	255
YQ. Feng On vertex-transitive graphs of odd prime-power order	265
Ki. Kawarabayashi Graph partition into paths containing specified vertices	271
L. Traldi Chain polynomials and Tutte polynomials	279
B. Xu On structure of graphs embedded on surfaces of nonnegative characteristic with application to choosability	283
A.J. Yee On the refined lecture hall theorem	293
Author index to volume 248	299



